

Nur für Forschungszwecke

# MGMT Monoklonaler Antikörper

Katalog-Nr.:CL647-67476



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL647-67476	<b>GenBank-Zugangsnummer:</b> BC000824	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von4255 Nanodrop;	<b>GeneID (NCBI):</b> 1H2C9	<b>CloneNo.:</b> 1H2C9
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> O-6-methylguanine-DNA methyltransferase	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 654 nm / 674 nm
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 22 kDa	
<b>Immunogen Katalognummer:</b> AG29936	<b>Beobachtete Masse:</b> 22 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC (Intra)

**Getestete Reaktivität:**  
Human

## Hintergrundinformationen

MGMT is the primary vehicle for cellular removal of alkyl lesions from the O-6 position of guanine and the O-4 position of thymine. While key to the maintenance of genomic integrity, MGMT also removes damage induced by alkylating chemotherapies, inhibiting the efficacy of cancer treatment [PMID:23065697].MGMT is the primary mechanism for the removal of alkylation damage from the O-6 position of guanine [PMID: 17482892]. The O-6 position of guanine is one of several positions in DNA bases to which alkyl groups are attached in SN1 alkylation reactions, and this repair has been well-characterized in mammalian cells and via MGMT homologs in bacteria and Archaea.[PMID: 10767620]

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

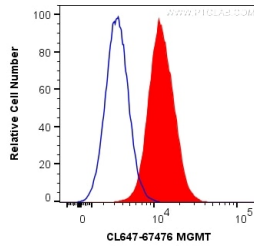
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human MGMT (CL647-67476, Clone:1H2C9) (red), or 0.2 ug APC-65124; APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).